

# Roshini Talluru

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## Professional Summary

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Full-Stack Developer and Data Enthusiast with 5+ years of experience building scalable, secure applications. Proficient in Java, Python, cloud platforms (AWS, Azure), Machine Learning , AI, DevOps, and Agile methodologies

## Professional Experience

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### University of Oklahoma

Application Developer

Aug 2023-Present

- Boosted user engagement for React.js based learning platform by 40% through implementing personalized content recommendations, flexible tag-based navigation, and expert verification support.
- Redesigned ISS web application using Angular 16 to incorporate reusable components for chat support and interactive dashboards, utilizing lazy loading and enhanced overall application performance by 30%.
- Designed a secure Azure SQL database using TDE encryption and role-based access control to store student records.
- Contributed to medical advancement by designing a machine learning-based web app that detects kidney stones using the Fuzzy C-means algorithm, enhanced with GLCM and DWT techniques.

### Deloitte

Software Engineer/Analyst

Aug 2022-Jul 2023

- Launched Career Compass, a Javascript web application employing Credly data to enhance skill tracking with an integrated milestone dashboard and networking module to ease career growth opportunities by 60%.
- Designed a Resource Tracking application using Angular/Typescript, optimizing tracking performance for 40 business units with enhanced OAuth 2.0 security protocols and Two-Factor Authentication.
- Developed microservices, REST APIs using JAVA/Java EE/ SpringBoot and experienced working with JSON/XML.
- Incorporated Kubernetes and helm charts to streamline the application maintenance and deployment process.
- Hands-on experience with PCF, AWS, CI/CD, and associated tools JIRA, Jenkins, Git.
- Honored with Game Changer award for optimizing operations & ensuring timely rollouts across 12 states.

### Talentsprint-WISE

Software Developer

Aug 2020-May 2022

- Implemented an Angular-based web application with AES-encrypted Java backend to enable secure transactions between farmers and customers. Integrated IBM Watson Assistant for live chat support and user feedback service.
- Built a housing rental app using Django and Python to support advanced search filters with real-time chatbot support powered by TensorFlow and NLP, ensuring a seamless and efficient user experience.
- Gained hands-on expertise in Angular, Django, Core Java, Python, and machine learning tools, while strengthening skills in secure web application design and deployment.

## Technical Skills

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Languages	Java, Python, C, C++, R, JavaScript, TypeScript, SQL
Cloud & DevOps	AWS (CI/CD), Azure, Kubernetes, Jenkins, Docker
AI/ML	TensorFlow, Gradient Boosting, NLP, Decision Tree, Model Training/Deployment
Web Technologies	React.js, Angular, JavaScript, Typescript, HTML, CSS, SCSS, PHP
Databases	Azure SQL, MySQL, MongoDB
Applications & Tools	Eclipse, VS Code, IntelliJ, SonarQube Git, JIRA,Postman, Tableau,RStudio,Junit, Agile/Scrum

## Education

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Master's in Computer Science (DSA)—University of Oklahoma, Norman, OK

Aug 2023-May 2025

## Publications

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"Examination Room Guidance system" Third International Conference on Engineering and Advancement in Technology ICEAT IEEE 2022.

## Achievements and Certifications

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- Oracle certified in “ Advanced Artificial Intelligence with machine learning in Java.”
- Dorothy Grace Barkow scholarship of \$3000 in recognition of academic excellence.